ADENTRO

Adentro Overview

Adentro provides consumers with an amazing WiFi experience at their favorite spots, while helping to grow local businesses by better engaging and targeting their customers. By offering a branded captive portal for your guest WiFi network, customers are given the ability to opt-in to targeted messaging sent using the Adentro platform.

Adentro Configuration

This document provides basic details necessary for configuring a Cisco Wireless LAN Controller with the Adentro captive portal.

Note: This guide is not compatible with Cisco WAP series APs or EWC.

Identifying Cisco Access Points

Adentro identifies Cisco access points by their wireless MAC address. This can be retrieved via the WLC's UI. Adentro requires the **Base Radio MAC** for each access point that the guest wifi will operate on. The Base Radio MAC can be located in the AP details page under WIRELESS - All APs.

Create Pre-Authentication ACL

The pre-authentication ACL should allow access to all Adentro portal servers as well as your DNS and DHCP servers.

HTTP and HTTPS access must be permitted to the following IP addresses for gateway.wifast.com:

54.68.53.46

54.68.126.162

54.68.113.153

54.214.242.30

Access Control Lists > Edit

General

Access List Name   Zenreach

Deny Counters   204

Seq	Action	Source IP/Mask		Destination IP/Mask		Protocol	Source Port	Dest Port	DSCP	Direction	Number of Hits	
1	Permit	0.0.0.0	/ 0.0.0.0	54.68.126.162	/ 255.255.255.255	TCP	Any	Any	Any	Any	262	
2	Permit	0.0.0.0	/ 0.0.0.0	54.68.113.153	/ 255.255.255.255	TCP	Any	Any	Any	Any	0	
3	Permit	0.0.0.0	/ 0.0.0.0	54.68.53.46	/ 255.255.255.255	TCP	Any	Any	Any	Any	253	
4	Permit	54.68.126.162	/ 255.255.255.255	0.0.0.0	/ 0.0.0.0	TCP	Any	Any	Any	Any	248	
5	Permit	54.68.113.153	/ 255.255.255.255	0.0.0.0	/ 0.0.0.0	TCP	Any	Any	Any	Any	0	
6	Permit	54.68.53.46	/ 255.255.255.255	0.0.0.0	/ 0.0.0.0	TCP	Any	Any	Any	Any	235	

RADIUS Configuration

The guide linked above configures the controller to use local authentication. You must instead add the Adentro RADIUS servers as AAA auth and accounting servers and configure the WLAN to use them.

RADIUS Authentication

Step 1: In the left pane, expand **AAA**, then **RADIUS**, then click **Authentication**.

Step 2: Set **Auth Called Station ID Type** to **AP MAC Address**.

Step 3: Set **MAC Delimiter** to **Colon**.

Step 4: Click **New**.

Step 5: Enter the information in the tables below.

Step 6: Click **Apply**.

Step 7: Repeat steps 3-5 for the second table.

Server IP Address: 54.69.8.147

Shared Secret Format: ASCII

Shared Secret: 8fc40973252c42e196489d4a16849ff8

Confirm Shared Secret: 8fc40973252c42e196489d4a16849ff8

Port Number: 1812

Server Timeout: 5

_____

Server IP Address: 54.68.29.80

Shared Secret Format: ASCII

Shared Secret: 8fc40973252c42e196489d4a16849ff8

Confirm Shared Secret: 8fc40973252c42e196489d4a16849ff8

Port Number: 1812

Server Timeout: 5

RADIUS Accounting

Use the same settings as above, but change the port to 1813 for each server.

RADIUS Configuration

Step 1: Open the **WLANs** page.

Step 2: Click **WLANs** in the left pane, and select the WLAN you want to edit.

Step 3: Click the **Security tab**.

Step 4: Click the **AAA Servers** tab.

Step 5: Check the **Enabled checkboxes for Authentication Servers** and **Accounting Servers.**

Step 6: Add the two servers that were just set up under **Authentication Servers** and **Accounting Servers**.

Step 7: Check the **Interim Update** checkbox.

Step 8: Set **Interim Interval to 180**.

Step 9: Click the **Advanced tab**.

Step 10: Check the **Enable Session Timeout checkbox** and enter a value of **86400 seconds (24 hours)**.

Step 11: Check the **Client User Idle Timeout checkbox** and enter a value of **3600 seconds (1 hour)**.

Step 12: Set **Client User Idle Threshold to 0 bytes**.

Step 13: Click **Apply.**

External Web Authentication

The WLC may have external web auth enabled globally or on a per-WLAN basis. In both cases the following External Webauth URL must be used:

https://gateway.wifast.com/cisco/

Remember to assign the Pre-Authentication ACL created previously to the WLAN.

The screenshot below shows the External Webauth URL set on a per-WLAN basis.

Disable WebAuth SecureWeb and HTTPS Redirection

Make sure the **WebAuth SecureWe**b and **HTTPS Redirection** (only present after firmware version 8.x) settings are disabled, otherwise after clicking the "Connect" button the user will be presented with a SSL error and will be unable to login. This can be resolved by disabling WebAuth SecureWeb and HTTPS Redirection on the controller.

HTTP-HTTPS Configuration

HTTP Access	Enabled
HTTPS Access [2]	Enabled
WebAuth SecureWeb [1]	Disabled
HTTPS Redirection	Disabled
Web Session Timeout	30 Minutes

Current Certificate

Name:	bsnSslWebadminCert
Type:	3rd Party
Serial Number:	1442843552
Valid:	From Jun 28 00:00:01 2016 GM
Subject Name:	C=US, O=Cisco Systems Inc., C
Issuer Name:	C=US, O=Cisco Systems Inc., C
MD5 Fingerprint:	c9:7f:d3:90:7c:1c:2d:83:33:1a

Management sidebar:
- Summary
- SNMP
- HTTP-HTTPS
- Telnet-SSH
- Serial Port
- Local Management Users
- User Sessions
- Logs
- Mgmt Via Wireless
- Software Activation
- Tech Support

Make sure the configuration is saved and WLC rebooted after the configuration change.

System Reboot

Warning: The configuration of the controller is changed and not saved yet. Click on "Save and Reboot" to save the changes before the controller is rebooted, or click on "Reboot without Save" to reboot the controller without saving the changes. Please be aware that in either case, all the connections will be lost. To regain the connection, please log in again after the controller is rebooted.

Commands sidebar:
- Download File
- Upload File
- Reboot
- Config Boot
- Scheduled Reboot
- Reset to Factory Default
- Set Time
- Login Banner